

XK0-004 Dumps

CompTIA Linux+ Certification Exam

<https://www.certleader.com/XK0-004-dumps.html>



NEW QUESTION 1

A Linux administrator is testing connectivity to a remote host on a shared terminal. The administrator wants to allow other users to access the terminal while the command is executing.

Which of the following commands should the administrator use?

- A. `bg ping remotehost`
- B. `fg ping remotehost`
- C. `ping remotehost < results`
- D. `ping remotehost &`

Answer: C

NEW QUESTION 2

A systems administrator needs to append output of `ls -lha /opt` command to the contents of a `test.txt` file. Which of the following commands will accomplish this?

- A. `ls -lha /opt > test.txt`
- B. `ls -lha /opt < test.txt`
- C. `ls -lha /opt >> test.txt`
- D. `ls -lha /opt << test.txt`

Answer: C

NEW QUESTION 3

A Linux administrator implemented a new HTTP server using the default configuration. None of the users on the network can access the server. If there is no problem on the network or with the users' workstations, which of the following steps will BEST analyze and resolve the issue?

- A. Run `netstat` to ensure the port is correctly bound, and configure the firewall to allow access on ports 80 and 443
- B. Run `route` to ensure the port is correctly bound, and configure the firewall to allow access on ports 80 and 443
- C. Run `netcat` to ensure the port is correctly bound, and configure a static route to the web to allow access on ports 80 and 443
- D. Run `route` to ensure the port is correctly bound, and configure SELinux to allow access on ports 80 and 443

Answer: C

NEW QUESTION 4

A junior systems is configuring localization option environment variables. The administrator is given a checklist of tasks with the following requirements: View current settings of the `LC_ALL` environment variable only. Modify the `LANG` environment variable to US English Unicode. Given this scenario, which of the following should be performed to meet these requirements? (Choose two.)

- A. `echo $LC_ALL`
- B. `locale`
- C. `cat $LC_ALL`
- D. `export LANG = en_US.UTF-8`
- E. `export $LANG = en_US.UTF`
- F. `stty`

Answer: BD

NEW QUESTION 5

A user, `jsmith`, needs access to database files located on a server. Which of the following will add `jsmith` to the "dba" group and preserve existing group memberships?

- A. `usermod -a -G dba jsmith`
- B. `usermod -g dba jsmith`
- C. `useradd -g dba jsmith`
- D. `groupmod dba -u jsmith`

Answer: AC

Explanation:

According to the reference given below. Both AC is correct.

NEW QUESTION 6

A server is almost out of free memory and is becoming unresponsive. Which of the following sets of commands will BEST mitigate the issue?

- A. `free`, `fack`, `partprobe`
- B. `lsof`, `lvcreate`, `mdadm`
- C. `df`, `du`, `rmmod`
- D. `fdisk`, `mkswap`, `swapon -a`

Answer: A

NEW QUESTION 7

As a Systems Administrator, to reduce disk space, you were tasked to create a shell script that does the following: Add relevant content to `/tmp/script.sh`, so that it finds and compresses rotated files in `/var/log` without recursion.

INSTRUCTIONS

Fill the blanks to build a script that performs the actual compression of rotated log files.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Snippets

tar

until

zip

egrep

awk

\$log

"\$6"

pgrep

repeat

/tmp/tmpfile

locate

filename

rar

then

"log.[1-6]\$"

in

done

/var/log

for

xz

"\$1"

sed

grep

"\$log.[1-6]\$"

while

```
#!/bin/bash

#name: script.sh

find /var/log -type f -maxdepth 1 | grep 

?

 > /tmp/tmpfile



?

 filename 

?

 $(cat 

?

)

do



?

 $filename



?


```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Snippets

tar	until	zip
egrep	awk	\$log
"\$@"	pgrep	repeat
/tmp/tmpfile	locate	filename
ran	then	"log-[1-6]\$"
in	done	/var/log
for	xz	"\$1"
sed	gzip	"\$log-[1-6]\$"
while		

```
#!/bin/bash

#name: script.sh

find /var/log -type f -maxdepth 1 | grep "$@" > /tmp/tmpfile

for filename in $(cat /tmp/tmpfile)
do
    gzip $filename
done
```

NEW QUESTION 8

A Linux systems administrator installed a new web server, which failed while attempting to start. The administrator suspects that SELinux is causing an issue and wants to temporarily put the system into permissive mode. Which of the following would allow the administrator to accomplish this?

- A. echo SELINUX=PERMISSIVE >> /etc/sysconfig/selinux
- B. setenforce 0
- C. sestatus 0
- D. chcon httpd_sys_content_t /var/

Answer: B

NEW QUESTION 9

A systems administrator wants to know the current status of a series of dd jobs that were started in the background three hours ago. Which of the following commands will achieve this task?

- A. sudo killall -HUP dd
- B. sudo killall dd
- C. sudo killall -TERM dd
- D. sudo killall -USR1 dd

Answer: D

NEW QUESTION 10

Which of the following would be the BEST solution for a systems administrator to access the graphical user environment of a Linux machine remotely?

- A. VNC
- B. KDE
- C. X11
- D. RPC

Answer: A

NEW QUESTION 10

Given the output below:

```
drwxr-xr-x. 4096 user1 user1 Documents
drwxr-xr-x. 4096 user1 user1 Music
lrwxrwxrwx. 1 root root MyPhoto.jpg ->/Pictures/photo.jpg
drwxr-xr-x. 4096 user1 user1 Pictures
-rw-r--r--. 256 user1 user1 text.txt
-rw-r--r--. 35 user1 user1 tmp.tmp
```

Which of the following commands can be used to remove MyPhoto.jpg from the current directory?

- A. unlink ./MyPhoto.jpg
- B. del Pictures/photo.jpg
- C. rm -rf ./Pictures
- D. rm -f MyPhoto.jpg
- E. ln -rm ./Pictures/photo.jpg

Answer: E

NEW QUESTION 15

Which of the following commands would show the default printer on a Linux system?

- A. lpr
- B. lpq
- C. lpstat
- D. lspci

Answer: B

NEW QUESTION 17

Which of the following is modified to reconfigure the boot environment?

- A. grub-mkconfig
- B. grub.cfg
- C. update-grub
- D. grub2-mkconfig

Answer: C

NEW QUESTION 18

Which of the following can be used to boot a DVD from a remote device to initialize a Linux system setup on bare metal hardware as if it is a local DVD?

- A. UEFI
- B. PXE
- C. NFS
- D. GRUB

Answer: A

NEW QUESTION 23

A systems administrator has finished building a new feature for the monitoring software in a separate Git branch. Which of the following is the BEST method for adding the new feature to the software's master branch?

- A. Merge the changes from the feature branch to the master branch.
- B. Save the changes to the master branch automatically with each Git commit.
- C. Clone the feature branch into the master branch.
- D. Pull the changes from the feature branch into the master branch.

Answer: A

NEW QUESTION 27

A Linux administrator needs to back up the folder /usr/domain, and the output must be a gzip compressed tar. Which of the following commands should be used?

- A. tar -cv domain.tar.gz /usr/domain
- B. tar -cvf /usr/domain domain.tar.gz
- C. tar -czvf domain.tar.gz /usr/domain
- D. tar -cxzv /usr/domain domain.tar.gz

Answer: C

NEW QUESTION 28

A technical support engineer receives a ticket from a user who is trying to create a 1KB file in the /tmp directory and is getting the following error No space left on device. The support engineer checks the /tmp directory, and it has 20GB of free space. Which of the following BEST describes a possible cause for this error?

- A. The /tmp directory is not mounted.
- B. The filesystem is formatted with a 4MB block size.
- C. the filesystem ran out of inodes.
- D. The /tmp directory has been set with an immutable attribute.

Answer: C

NEW QUESTION 30

An administrator has modified the configuration file for a service. The service is still running but is not using the new configured values. Which of the following will BEST remediate this issue?

- A. kill -HUP
- B. init 0
- C. service start
- D. renice -10

Answer: A

NEW QUESTION 34

A company wants to ensure that all newly created files can be modified only by their owners and that all new directory content can be changed only by the creator of the directory. Which of the following commands will help achieve this task?

- A. umask 0022
- B. umask 0012
- C. chmod -R 0644 /
- D. chmod -R 0755 /

Answer: A

NEW QUESTION 36

Which of the following BEST describes running on a Linux system?

- A. Containers only need the namespaces functionality to run on a Linux system available since kernel 2.6.
- B. Containers need a hypervisor to run a Linux system
- C. Cgroups namespaces are functionalities used for the kernel but not for running containers.
- D. Containers only need the cgroups functionality for running on a Linux system
- E. Namespaces is not a Linux kernel functionality needed for creating and managing containers.
- F. Containers use the cgroups and namespaces functionalities to isolate processes and assign hardware resources to each of those isolated processes.

Answer: D

NEW QUESTION 40

A Linux administrator has configured a Linux system to be used as a router. The administrator confirms that two network adapters are properly installed and functioning correctly. In addition, the output of the iptables -L command appears to contain a complete firewall configuration. Which of the following commands does the administrator need to issue for the router to be fully functional?

- A. echo "1" > /proc/sys/net/ipv4/ip_forward
- B. echo "0" > /proc/sys/net/ipv4/tcp_abort_on_overflow
- C. echo "0" > /proc/sys/net/ipv4/max_connections
- D. echo "1" > /proc/sys/net/ipv4/ip_default_ttl

Answer: A

NEW QUESTION 42

An analyst is trying to determine which public IP addresses are managed by Company A, but the script is not working correctly.

```
for ip in $(cat ip-list.txt)
do whois $ip | grep "Company A" > /dev/null
    if [ $? -ne 0 ]
    then echo "$ip"
    fi
done
```

Which of the following explains what is wrong with the script?

- A. \$(cat ip-list.txt) should be changed to `cat ip-list.txt` in the for statement.
- B. The for should be changed to while in the loop.
- C. The > should be changed to 2> in the do statement.
- D. The -ne flag should be changed to -eq in the if statement.

Answer: A

NEW QUESTION 46

A Linux administrator needs to remotely update the contents of the www.comptia.org/contacts URL.

Which of the following commands would allow the administrator to download the current contents of the URL before updating?

- A. curl www.comptia.org/contacts
- B. dig www.comptia.org/contacts
- C. apt-get www.comptia.org/contacts
- D. yum list www.comptia.org/contacts

Answer: A

NEW QUESTION 50

Which of the following is the purpose of the monitoring server role?

- A. To aggregate web traffic to watch which websites employees are visiting
- B. To collect status and performance information about the servers in an environment
- C. To provide user authentication services to a network
- D. To provide real-time analysis of potential threats to the organization

Answer: B

NEW QUESTION 54

After starting a long-running script, a systems administrator needs to verify the frequency of what is filling up the /var partition and kill it because it is consuming too much space.

Which of the following is the correct sequence given only a terminal is available?

- A. 1. CTRL-C2. bg3. watch df /var4. CTRL-C5. fg6. CTRL-Z
- B. 1. CTRL-C2. fg3. watch df /var4. CTRL-Z5. bg6. CTRL-Z
- C. 1. CTRL-Z2. bg3. watch df /var4. CTRL-C5. fg6. CTRL-C
- D. 1. CTRL-Z2. bg3. watch df /var4. CTRL-Z5. fg6. CTRL-C

Answer: D

NEW QUESTION 55

Find the file named core and remove it from the system. INSTRUCTIONS

Type “help” to display a list of available commands.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

```
[comptia@localhost ~]$
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
root@tryit-sought:~# find . -type f -name "FILE-TO-FIND" -exec rm -f {} \;  
root@tryit-sought:~# find . -type f -core "FILE-TO-FIND" -exec rm -f {} \;
```

NEW QUESTION 59

A Linux systems administrator needs to provision multiple web servers into separate regional datacenters. The systems architect has instructed the administrator to define the server infrastructure using a specific tool that consumes a text-based file.

Which of the following is the BEST reason to do this?

- A. To document the infrastructure so it can be included in the system security plan
- B. To ensure the administrator follows the planning phase of the system development life cycle
- C. To define the infrastructure so it can be provisioned consistently with minimal manual tasks
- D. To validate user requirements have been met within each regional datacenter for compliance

Answer: B

NEW QUESTION 60

A systems administrator configured a new kernel module, but it stopped working after reboot. Which of the following will allow the systems administrator to check for module problems during server startup?

- A. lsmod
- B. modprobe
- C. modinfo
- D. dmesg

Answer: C

NEW QUESTION 63

Ann, a junior systems administrator, is required to add a line to the /etc/yum.conf file. However, she receives the following error message when she tries to add the line:

```
root@comptia:~# echo "line" > /etc/yum.conf  
-su: /etc/yum.conf: Operation not permitted
```

Ann performs some diagnostics to attempt to find the root cause:

```
root@comptia:~# ls -l /etc/yum.conf  
-rw-r--r-- 1 root root 970 Jan 30 2018 /etc/yum.conf
```

```
root@comptia:~# lsattr /etc/yum.conf  
----i-----e-- /etc/yum.conf
```

```
root@comptia:~# df -i /etc/yum/conf  
  
Filesystem      Inodes    IUsed    IFree   IUse%  Mounted on  
/dev/sda1       524288   192861   331427    37%    /
```

Which of the following commands should Ann execute to write content to /etc/yum?

- A. chmod 755 /etc/yum.conf
- B. setfacl -m m:rw /etc/yum.conf
- C. chatr -l /etc/yum.conf
- D. setenforce 0

Answer: A

NEW QUESTION 66

An administrator receives a warning about a file system filling up, and then identifies a large file located at /tmp/largelogfile. The administrator deletes the file, but no space is recovered on the file system.

Which of the following commands would BEST assist the administrator in identifying the problem?

- A. lsof | grep largelogfile
- B. pkill /tmp/largelogfile
- C. pgrep largelogfile
- D. ps -ef | grep largelogfile

Answer: A

NEW QUESTION 70

A user attempts to use the mount -a command but gets the following error: mount: mount point /mnt/test does not exist
Which of the following commands best describes the action the Linux administrator should take NEXT?

- A. mount -a /mnt/test
- B. mkdir -p /mnt/test
- C. mdadm -p /mnt/test
- D. mkfs /mnt/test
- E. touch /mnt/test

Answer: B

NEW QUESTION 71

An administrator reviews the following configuration file provided by a DevOps engineer:

Tasks:

```
- name: Install php-fpm from repo
  yum:
    name: php-fpm
    state: present
- name: Install mysql from repo
  yum:
    name: mysql-server
    state: present
```

Which of the following would the application parsing this file MOST likely have to support?

- A. YAML
- B. AJAX
- C. JSON
- D. SOAP

Answer: C

NEW QUESTION 74

An administrator needs to see a list of the system user's encrypted passwords. Which of the following Linux files does the administrator need to read?

- A. /etc/shadow
- B. /etc/skel
- C. /etc/passwd
- D. /etc/pw

Answer: C

NEW QUESTION 77

An administrator is troubleshooting an application that has failed to start after the server was rebooted. Noticing the data volume is not mounted, the administrator attempts to mount it and receives this error:

```
[root@localhost comptia]# mount /dev/datavg/datalv /data
mount: special device /dev/datavg/datalv does not exist
```

Upon checking the logical volume status, the administrator receives this information:

```
[root@localhost comptia]# lvs
LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert
root centos -wi-ao---- <6.20g
swap centos -wi-ao---- 820.00m
datalv datavg -wi----- 500.00m
[root@localhost comptia]#
```

Which of the following can be said about the data logical volume, and how can this problem be resolved?

- A. The logical volume is not activ
- B. The administrator should make it active with lvchange -ay /dev/ datavg/datalv and then mount it.
- C. The logical volume file system has become corrupte
- D. The administrator should repair it with xfs_repair/dev/datavg/datalv and then mount it.
- E. The logical volume is OK but the /dev special files are missin
- F. The administrator should recreate them by running /dev/MAKEDEV.
- G. The file system is read-onl
- H. The administrator should remount it as read-write with the command mount - o remount.rw /data.

Answer: A

NEW QUESTION 81

Which of the following configuration files should be modified to disable Ctrl-Alt-Del in Linux?

- A. /etc/inittab
- B. ~/.bash_profile
- C. /etc/securetty
- D. /etc/security/limits.conf

Answer: A

NEW QUESTION 84

A junior administrator needs to unload an older video kernel module. Which of the following commands would BEST accomplish this task?

- A. modprobe
- B. insmod
- C. rmmod
- D. chmod

Answer: A

NEW QUESTION 88

After installing a new web server, you are unable to browse to the default web page. INSTRUCTIONS

Review all the command output and select the command needed to remediate the issue.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Commands
[root@webserver log]# `getenforce`
[root@webserver log]# `getsebool -a | grep httpd`
[root@webserver log]# `netstat -antp`
[root@webserver log]# `ss -antp`
[root@webserver log]# `ps -ef | grep nginx`
[root@webserver log]# `grep avc /var/log/audit/audit.log`
[root@webserver log]# `more /var/log/web/access_log`
[root@webserver log]# `more /var/log/web/error_log`
[root@webserver log]# `ls -la`
[root@webserver log]# `journalctl -u nginx -l`
[root@webserver log]# `systemctl status webserver`
[root@webserver log]# `sealer`

Answer
[root@webserver log]#

`systemctl restart nginx`
`setsebool -P httpd_read_user_content =1`
`restorecon -rv /home/comptia/html`
`kill -HUP 3431`
`sysctl -w net.ipv4 ip_forward = 1`
`chown -R comptia: /home/comptia/html/`
`firewall-cmd --zone=public --service=http --permanent`
`chmod 777 /home/comptia/html/`
`setfacl -m g:comptia:rwX /home/comptia/html/`
`cp -R /home/comptia/html /var/www/html`

Output

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Commands	Answer
<pre>[root@webserver log]# getenforce [root@webserver log]# getsebool -a grep httpd [root@webserver log]# netstat -antp [root@webserver log]# ss -antp [root@webserver log]# ps -ef grep nginx [root@webserver log]# grep avc /var/log/audit/audit.log [root@webserver log]# more /var/log/web/access_log [root@webserver log]# more /var/log/web/error_log [root@webserver log]# ls -la [root@webserver log]# journalctl -u nginx -l [root@webserver log]# systemctl status webserver [root@webserver log]# sealer</pre>	<pre>[root@webserver log]#</pre>
	<pre>systemctl restart nginx setsebool -P httpd_read_user_content =1 restorecon -rv /home/comptia/html kill -HUP 3431 sysctl -w net.ipv4 ip_forward = 1 chown -R comptia: /home/comptia/html/ firewall-cmd --zone=public --service=http --permanent chmod 777 /home/comptia/html/ setfacl -m g:comptia:rwX /home/comptia/html/ cp -R /home/comptia/html /var/www/html</pre>
Output	

NEW QUESTION 93

A systems administrator is configuring options on a newly installed Linux VM that will be deployed to the Pacific time zone. Which of the following sets of commands should the administrator execute to accurately configure the correct time settings?

- A. cd /etc ln -s /usr/share/zoneinfo/US/Pacific localtime
- B. cd /usr/local ln -s /usr/share/zoneinfo/US/Pacific zoneinfo
- C. cd /etc/local ln -s /usr/share/zoneinfo/US/Pacific localtime
- D. cd /usr/share/local ln -s /usr/share/zoneinfo/US/Pacific localectl

Answer: A

NEW QUESTION 95

All users are reporting that they cannot connect to the SFTP server. The administrator runs a scan:

```
starting nmap 4.11 at 2018-06-16 EST
not shown: 1456 closed ports
```

PORT	STATE	SERVICE
53/tcp	open	dns
80/tcp	open	http
957/tcp	open	unknown

```
MAC Address 08:00:00:00:00:00 ( computer systems )
nmap finished = 1 ip address ( 1 host up ) scanned in 1.497 seconds
You have mail in /var/spool/mail/root
```

Which of the following would allow the administrator to fix the problem?

- A. Allow SFTP connections on port 22 using /etc/sysconfig/iptables.
- B. Allow SFTP connections on port 20 and 21 using /etc/sysconfig/iptables.
- C. Allow SFTP connections on port 25 using /etc/sysconfig/iptables.
- D. Allow SFTP connections on port 1456 using /etc/sysconfig/iptables.

Answer: A

NEW QUESTION 99

Two specific users need access to a directory owned by root where backups are located. Which of the following commands would BEST ensure the specified users can access the backup files?

- A. umask

- B. chcon
- C. chmod
- D. setfacl

Answer: D

NEW QUESTION 100

The lead Linux has added a disk, /dev/sdd, to a VM that is running out of disk space. Place the following steps in the correct order from first (1) to last (4) to add the disk to the existing LVM.

1	<input type="text"/>
2	<input type="text"/>
3	<input type="text"/>
4	<input type="text"/>

<code>lvextend -L +10GB /dev/mapper/vgdata-data</code>	<code>pvcreeate /dev/sdd</code>
<code>resize2fs /dev/mapper/vgdata- data</code>	<code>vgextend vgdata /dev/sdd</code>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1	<code>pvcreeate /dev/sdd</code>
2	<code>vgextend vgdata /dev/sdd</code>
3	<code>lvextend -L +10GB /dev/mapper/vgdata-data</code>
4	<code>resize2fs /dev/mapper/vgdata- data</code>

<code>lvextend -L +10GB /dev/mapper/vgdata-data</code>	<code>pvcreeate /dev/sdd</code>
<code>resize2fs /dev/mapper/vgdata- data</code>	<code>vgextend vgdata /dev/sdd</code>

NEW QUESTION 104

An engineer is working on a production application deployment that requires changing a web application property file called server.property that is managed by the Git version control system. A cloned copy of the remote repository in which the server.property file exists is on the local desktop computer. The engineer makes appropriate changes to the files, saves it as server.property, and executes git commit -m "changed the property file" server.property. Which of the following commands did the engineer fail to perform?

- A. git init server.property
- B. git merge server.property
- C. git add server.property
- D. git push server.property

Answer: D

NEW QUESTION 105

A technician wants to secure a sensitive workstation by ensuring network traffic is kept within the local subnet. To accomplish this task, the technician executes the following command:

```
echo 0 > /proc/sys/net/ipv4/ip_default_ttl
```

Which of the following commands can the technician use to confirm the expected results? (Choose two.)

- A. tcpdump
- B. traceroute
- C. route
- D. iperf
- E. ip
- F. arp

Answer: CF

NEW QUESTION 107

.....

Thank You for Trying Our Product

* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

* One year free update

You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

We currently serve more than 30,000,000 customers.

* Shop Securely

All transactions are protected by VeriSign!

100% Pass Your XK0-004 Exam with Our Prep Materials Via below:

<https://www.certleader.com/XK0-004-dumps.html>